

Physics - 10th Class Physics English Medium Chapter 11 Preparation

Ans 1:	Transportation equipment, heavy machinery, loud vehicles horns and alarms are the source of noise pollution.
Q2. Wha	is frequency.
Ans 1:	The number of vibration s per cycle of a vibrating body n one second is called frequency.
Q3. Wha	is speed
Ans 1:	The distance covered in unit time is called speed.
Q4. Wha	is audible frequency range?
Ans 1:	The range of the frequencies which a human ear can hear is called the audible frequency range.
Ans 1:	rence Between the loudness and intensity of sound. Loudness: i. Characteristics of sound by which we can distinguish between loud and faint Sounds is called loudness. t physical quantity.
propaga	Intensity os Sound: i. Sound energy passing per second through a unit area held perpendicular to the direction of tion of sound waves is called intensity of sound. ysical quantity. Its unit is Wm-2
Q6. Why	sound waves are called mechanical waves?
Ans 1:	Sound waves are called mechanical waves because they require material medium for their propagation.
Q7. On w	hat factors pitch depends.

Ans 1: SONAR is "sound navigation and ranging". It is a technique used to estimate the distance of object from the ocean surface.

Q9. Difference between echo and reflection of sound?

Ans 1: the echo is formed through reflection but the reflection does not form echo. All sounds reflect back but it is not necessary that all reflections produce echo.

Q10. Why ultrasound is useful in medical field?

Ans 1: Ultrasonic waves carry more energy and short wavelength therefore ultrasonic waves are used to diagnose and treat different ailments.